Najran University
College of Engineering
Electrical Engineering Department

KPIs and Assessment Table
1437-1438 H

مؤشرات الأداء المطلوبة من البرامج الأكاديمية المختلفة بجامعة نجران
وفقا لمتطلبات هيئة تقويم التعليم – المركز الوطني للتقويم والاعتماد الأكاديمي

Electrical Engineering KPI and Assessment Table

KPI #	List of Program KPIs Approved by the Institution	KPI Target Benchmark	KPI Actual Benchmark	KPI Internal Benchmark Civil Engineering 1437-1438 H	KPI External Benchmark	KPI New Target Benchmark	Strength	Recommendations
S01 Mission Goals and Objectives								
S1.1	The approval decision to adopt and document the vision and mission from program and college council	Minutes of meeting	Minutes of meeting	N.A	N.A	Not required	The mission and goals are established to cover the need of all stakeholders and the mission was analyzed and related to the mission of faculty and university the relationship is one to one supporting the main key component of the university mission.	Further publicity of the mission statement is needed through workshops and seminars.
S1.2	Satisfaction rate of students, alumni, faculty members and the labour market for the vision and mission of each program separately	80%	61.33%	62.8%	N.A	70%	The mission is published through the program website, procures, posters, and files.	More involvement of student and alumni in reviewing the mission statement.
	a- Students	80%	52%	72%	N.A	60%	The mission is published through the program website, procures, posters, and files.	• More involvement of student and alumni in reviewing the mission statement. • Diversify channel of relevant information to students like provide seminars/workshops especially on course learning outcomes and program outcomes.

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	b- Alumni	80%	70%	70%	N.A	75%	The mission is published through the program website, procures, posters, and files.	• More involvement of student and alumni in reviewing the mission statement. • Diversify channel of relevant information to students like provide seminars/workshops especially on course learning outcomes and program outcomes.
	c- Faculty members	80%	70.6%	92%	N.A	75%	The mission is published through the program website, procures, posters, and files.	More involvement of faculty members in reviewing the mission statement.
	d-Labour market	80%	80%	80%	N.A	80%	The level of satisfaction of stakeholders about the mission statement is acceptable in compare with the KPI target. Also all the missions were explained to all the stakeholders.	More involvement of labour markets in reviewing the mission statement.
S1.3	The proportion of alignment between the university, college and the program mission statement	90%	95%	95%	N.A	95%	The level of satisfaction about the mission statement is acceptable compared to the KPI target.	Further publicity of the mission statement is needed through workshops and seminars.
S1.4	The number of decisions and decrees made by reference to the mission of the program	75%	5 decrees	5 decrees	N.A	6 decrees	-	Further publicity of the mission statement is needed through workshops and seminars.
S02 Program Administration								

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S2.1	Documents that define the policies and authorities	Documents	Documents	Documents	N.A	Not required	Documents that define the policies and authorities are available.	Some documents need approval from the department and faculty council
S2.2	Satisfaction rate of faculty members and administrators for administrative and academic environment	70%	68%	51.9%	N.A	70%	Satisfaction rate of faculty members and administrators for administrative and academic environment is higher than targeted.	Satisfied
S03 Management of Program Quality Assurance								
S3.1	Students overall evaluation on the quality of their learning experiences at the program. (Average rating of the overall quality of their program on a five-point scale in an annual survey final year students.)	80%	77%	76.6%	N.A	80%	All of the student evaluate all the courses through online courses evaluation. There is a peer review questioner.	Apply the peer review in all courses in the program inside class.
S3.2	Proportion of courses and student in which student evaluations were conducted to evaluate courses and lecturer during the year.	80%	100%	100%	N.A	100%	All of the student evaluate all the courses through online courses evaluation. There is a peer review questioner.	Satisfied
S04 Learning and Teaching								
S4.1	Ratio of students to teaching staff. (Based on full time equivalents) teaching based	1:25	1:9.5	1:12	N.A	Satisfied	Ratio of students to teaching staff is within the target level	The employment strategy should keep this ratio of students to teaching staff as it is.
S4.2	Ratio of students to teaching staff. (Based on program)	1:15	1:9.5	1:12	N.A	Satisfied	Ratio of students to teaching staff is within the target level	The employment strategy should keep this ratio of students to teaching staff as it is.

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S4.3	Satisfaction of employment for professional and personal skills of the graduates of the program. (average)	75%	60%	55%	N.A	60%	The employer survey is prepared, but we do not have up-to-date feedback from the employers. The administrative staff would help pus in this regard.	1. Enhance the employment rate for the EE program graduates 2. Encourage the communication between the program and private and public employers in the kingdom.
S4.4	Students overall rating on the quality of their courses. (Average rating of students on a five-point scale on overall evaluation of courses.)	80%	98%	76.6%	N.A	80%	Students overall rating on the quality of their courses is higher than the targeted value.	It is clear that the students overate themselves. The academic advisors committee should increase the awareness of students about the importance of exact evaluation neutrally.
S4.5	Proportion of teaching staff with verified doctoral qualifications.	70%	78%	86%	N.A	80%	The ratio of teaching staff with verified doctoral qualifications to the total teaching staff is higher than targeted.	The employment strategy should keep this ratio of students to teaching staff as it is.
S4.6	Percentage of students entering programs whom successfully complete first year.	80%	44%	100%	N.A	80%	-	From a total number of 15 students we have just 7 who successfully finished the first year, we think that the advisory committee may solve the problems hindering the students to have full semester standard credit hours. In this case the percentage will be much

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هيئة تقويم التعليم

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								improved.
S4.7	Proportion of students entering undergraduate programs who complete those programs in minimum time.	70%	88%	45.5%	N.A	Not required	The percentage of students who complete the program in minimum time is higher than the targeted value.	No recommendations
S4.8	Proportion of graduates from undergraduate programs who within six months of graduation are: (a) employed (b) enrolled in further study (c) not seeking employment or further study	≥ 30% ≥ 10% ≥ 10%	57% 0% 0%	57% 0% 0%	N.A	Not required		
S4.9	The graduation rate of postgraduate students and its percentage to the overall applied students in pre-specified time.	NA	NA	NA	NA	NA	NA	NA
S05 Student Administration and Support Services								
S5.1	Ratio of students to administrative staff	75:1	14:1	17:1	N.A	-	Student's satisfaction on the level of helps and supports provided from the administration.	the quality of services offered by the administrative staff to the students is very good. It is recommended that The administration should establish an archive departmental room with a labelling structure that can grow and adapt over time. This archive departmental room sustain 100% the Abet and NCAAA standards.

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S5.2	Student evaluation of academic and career counselling. (Average rating on the adequacy of academic and career counselling on a five-point scale in an annual survey of final year students.	80%	50% For academic counselling 12% For career counselling	40%	N.A	60%	More focus must be directed toward progress follow up of the students and toward narrowing the gap between students and their academic advisors.	More efforts should be done in order to improve the quality of academic and career counselling offered in the department.
S5.3	The percentage of students participating in non-curricular activities	40%	6%	62%	N.A	10%	The faculty can provide enough funding to motivate students to non-curricular activities	Non-curricula should be diversify and should not be restricted to the scientific and recreational activities. Students should be encourage to intensify their involvement in diverse Non-curricula activities, i.e., sports, cultural and creative activities.
S06 Learning Resources								
S6.1	Beneficiaries' evaluation of the library "Media Center". (Average rating of the suitability of the library "and Media Center") a) Library staff who provides assistance b) Current situation and the update c) Possibility of copy and print d) Equipment efficiency e) Suitability of location for study f) Availability of study spaces	75%	53%	68.75%	N.A	60%	• The quality of Najran University websites is noted. • The use of free resources on the internet is applied and encouraged. • Access to library resources is easy. • Najran University websites are attractive. • A large amount of	• Keep continuous support and maintenance of Najran University websites. • Train and ask librarians to do more help to students. • Improve copying and printing facilities. • Increase the number of computers used in making search on digital resources.

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	g) Any other quality indicators through five-point scale in an annual survey						• digital books and scientific data bases are available. • Access to digital learning resources is easy.	• Train students on using digital resources effectively. • Keep subscription renewal to all necessary databases to guarantee continuity of service.
S6.2	Number of book titles held in the library as a proportion of the number of students.	1:10	1:9	1:20	N.A	1:10	• Almost enough amount of book titles and copies are installed in Najran University library.	• Install more books to reach the standard ratio.
S07 Facilities and Equipment								
S7.1	Number of accessible computer terminals per student.	1:25	1:6	1:6	N.A	1:5	Completed	Completed
S7.2	Average overall rating of adequacy of facilities and equipment in a survey of teaching staff.	80%	81%	70%	N.A	85%	Completed	Completed
S7.3	The percentage of students satisfied with their classrooms and laboratories rate	85%	67%	70%	N.A	70%	• All laboratories in the EE departments are completed with a very good condition. • All class rooms also are furnished and completely prepared.	Increase size of the class rooms and laboratories or increase number of sections for the courses
S7.4	Stakeholder evaluation of the IT services. (Average overall rating of the adequacy of: a) IT availability, b) Website, c) e-learning services d) IT Security, e) Maintenance (hardware &	85%	85%	85%	N.A	Need improvements	• Engineering college building is WiFi covered. • Class rooms are provided with smart projectors. • E-learning is available for all students.	

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	software), f) Accessibility g) Support systems, h) Hardware, software & up-dates, and Web-based electronic data management system or electronic resources						• All students have an access for the internet with fully secured systems. • The help disk centre in the IT department provides us many services such as maintenance and hardware and software update.	Increase IT services
S7.5	Annual expenditure on information technology budget, including: i) the percentage of IT budget from the total budget of the university or college or programs of IT j) the percentage of IT budget for each program on the institutional level or for each student k) the percentage of IT budget for genuine computer software l) the percentage of IT budget for information technology maintenance	N.A	N.A	N.A	N.A	N.A	-	-
S08 Financial Planning and Management							
S8.1	The percentage of teaching staff satisfaction with financial management system and the adequacy of the available budget for the program	80%	25%	58%	N.A	65%	-	• Mechanisms are needed to allocate a proportion of the budget for departmental operation per academic year.

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								• The coordinator of department or head of department must submit annual budget proposals for the program. • Detailed annual reports on the program budget should be prepared by the program administration.
S09 Employment Processes								
S9.1	Proportion of teaching staff leaving the institution in the past year for reasons other than age retirement.	≤ 10%	14%	7%	N.A	10%	Only teaching assistants leaving the institution in the past year for reasons to study the MSC.	Increase salaries to attract new faculty members.
S9.2	Proportion of teaching staff participating in professional development activities during the past year.	1:1	1:0.38	1:0.60	N.A	1:0.5	Engineering Research Centre at the college provides some training courses for faculty members.	Organizing more training courses in engineering research centre at the college and at other colleges in university.
S10 Research								
S10.1	Number of refereed publications (journal and conferences) in the previous year per full time equivalent member of teaching staff.	1:2	2.43:2	1:1	N.A	1:1.5	-	-
S10.2	Citations for in the previous year per full time equivalent member of teaching staff.	As possible as high	8.88:1	4.5:1	N.A	-	• The presence of a university research funding unit which supports the research projects in the university	• Establish a specific system to enhance revenue from the industrial sector through scientific research. • Increase the access of scientific research in the

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							competitively and clear manner and trying to develop the various sources of funding for scientific research. • The Funding Research Unit (FRU) has a database for researches.	educational process as well as in the practical application for beneficiaries from scientific research in the field of electrical engineering. • Increase public and institutional awareness about the importance of scientific research in the development.
S10.3	Percentage of staff of full time teaching staff who published at least one research paper (journal and conferences) in the previous year.	N.A	41.2%	30%	N.A	-	• Presence of a research plan for Electrical Engineering Department which was established based on the study of research-necessity for various scientific disciplines. • The research plan was made taking into account of the available development possibilities.	• The research plan requires further improvement and detail. The research choice depends on mostly on the following factors: Researcher's personal vision and what is available from funding capabilities to cover the expenses of research. •
S10.4	Number of refereed publications conferences in the previous year per full time equivalent member of teaching staff.	N.A	0.294:1	0:1	N.A	-	• The department uses a variety of styles to encourage joint scientific research and to participate in research projects. • The presence of researchers in the	• Funding allocations of researches and expenses to participate in scientific conferences. • Establish a mechanism for the attainment of local and international sources of funding for scientific

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							department and the College from many countries of the world.	research
S10.5	External fund in the previous year.	N.A	0	0	N.A	-	• The department encourages the development of basic skills for staff members and their assistants through a certified and applied programs made by college and university to the development of their capacity	• Provide enough financial and moral incentive to support researchers. •
S11 Relationships with the Community								
S11.1	Faculty members Percentage and those in full-time job to support community service activities	30%	27%	0%	N.A	40%	• Graduate Unit has been established in the College and an office has been chosen for it beside a secretary. • Database is available for all graduated students. • Electrical Engineering Industrial Advisory Council has been established with different sectors in the region of Najran. • Students can be trained during their field-training course	• Activation the role of the Graduate Unit in the faculty to effectively contact with graduates periodically through their phone numbers, e-mails and meeting. • Establish a database for the employers from deferent public and private sectors, which our graduate could work so it is able to contact with them easily to get the feedback about our graduates. • Seminars and workshops should be declared for the local community of
S11.2	Number of community education programs, consultancy, and training provided by the program.	2	4	3	N.A	3		

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							in the different public and privet sectors such as electricity corporation of Saudi and Ministry of Water and Electricity. • Community Contribution of College of Engineering in different fields of Engineering and Sciences and these fields has been covered by different workshops and seminars by the Scientific and Engineering Center in the College through lectures held by different staff members.	Najran to attend and cooperate during these seminars. • Encouraging faculty members from more workshops and courses training for students and scientific lectures for the local community of Najran.

Introduction:

Based on the KPIs distributed across the NCAA's eleven benchmarks, which are the minimum indicators to be measured periodically (quarterly or annually) and based on the Target Benchmark, this report monitors quality performance indicators of Electrical Engineering Program for the academic year of 1437/1438 H (Actual Benchmark) and compare it with Internal or External Benchmark. Benchmark as a study and follow up by the program management for the progress and development of the program in order to

determine the achievement of the goals and the mission by identifying strengths and weaknesses. Performance quality indicators, and then developing plans to improve these weaknesses.

Through the table of indicators of the quality of the performance of the program for the first semester of the academic year 1437/1438 H (Shown below), the strengths and weaknesses of the quality indicators of the performance of each criterion, standard, can be identified, and then recommendations for improvement, indicating the mechanism and the implementation period. As follows:

Analysis of KPIs and Benchmarks: (list strengths and recommendations)

The First Standard S01: Mission, Goals and Objectives:

1. Strengths of Performance of Quality Indicators:
• The decision to adopt the Vision and Mission from the Department Council and the College Council is explained on the program web page, posters, flyers, and files. As well as explained to beneficiaries of the program.
• The average actual satisfaction rate of the labor market (76.6%) and the faculty members (92%) on the vision and mission of the program, which is higher than the target of 80%.
• The content of the vision and mission of the program fulfilled the content of the college and university messages by 90%, which is higher than the target of 90%.
• Easy communication with students and graduates through social media, and then an assessment of their views through electronic questionnaires.
• The participation of all faculty members in the revision of the formulation of visions and the mission of the Electrical engineering program.

2. Weakness of Performance of Quality Indicators:
• The average actual student satisfaction ratio (52%) and graduates (70%), which is below the target of 80%.
• Five decisions were made based on the program's message, which is insufficient to reach the target of 75%.

3. Optimization recommendations:
• Establishing further dissemination of the vision and mission of the program through the establishment of seminars and workshops and the participation of students and graduates of the department in reviewing the wording of its texts.
• The satisfaction rate of students and graduates was lower than the target, due to the small number of samples of participants in the electronic questionnaire, and it is recommended to increase the number of samples as much as possible in the future for better evaluation results.
• The percentage of satisfaction of actual faculty members meets the target ratio. It needs to be compared with internal benchmarks and external benchmarks.

The Second Standard, S02: Program Administration:

1. Strengths of Performance of Quality Indicators:
• All the department's records and documents specifying the policies and authorities (roles and responsibilities) and those related to the conduct of administrative and academic work are documented and preserved (electronic and paper copies) by the Department.
• Satisfaction of faculty members and administrators on the organizational structure of the department and its policies for the management of administrative and academic work was 68%, which is close to the target 70%.
• 30% of the questions raised in the questionnaire submitted to the faculty members met the target, especially the following:
o The academic leadership of the program maintains all powers and authorities when making the decision.
o The academic leadership of the program seeks to apply the instructions strictly.

- The academic leadership of the program uses various channels of communication with faculty members.
o The academic leadership of the program shows flexibility in dealing with it.
o The academic leadership transmitters of the program are clearly articulated.
o The academic leadership of the program prefers to use the interview method when communicating information and obtaining information.

2. Weakness of Performance of Quality Indicators:
- The satisfaction rate of final year students on the organizational structure of the department and its policies for the conduct of academic work was 61.33% and below the target 80%.
- Satisfaction of faculty members with the administrative and academic work environment of the program was 68%, much below the target of 70%.

3. Optimization recommendations:
- Some documents need to be approved by the department council and the college council.
- The satisfaction of the final year students with the organizational structure of the department and its policies for running the academic work was below the target. Therefore, the academic leadership of the program is recommended to exert more efforts to achieve the target.
- The academic leadership of the program is recommended to do more to improve the weaknesses received in the analysis and evaluation of electronic questionnaires provided to faculty members and their satisfaction with the administrative and academic work environment of the program.

The Third Standard, S03: Program Quality Assurance Department:
1. Strengths of Performance of Quality Indicators:
- The percentage of total student assessment of the quality of learning experiences in the program (average student estimates on an annual scale of five points for final year students) was 77%, close to the target of 80%.
- Percentage of students surveyed during the year to evaluate courses and faculty performance was 100% above target 80%.
- All students were interviewed through the university website during the electronic questionnaire.

2. Recommendations for improvement:
Needs to be compared with internal benchmarks and external benchmarks

The Fourth Standard, S04: Learning and Teaching:
1. Strengths of Performance of Quality Indicators:
- The ratio of students to full-time or equivalent teaching staff was 1:9.5, more than double the target ratio of 1:25.
- The ratio of students to faculty member at the program level was 9.5:1, higher than target 1:15.

- The overall student assessment of the quality of the courses (average student ratings on a five-point scale for overall assessment of courses) was 98% higher than the target 80%.
- The proportion of faculty members who hold a Ph.D. qualification approved by the faculty of the department is 78% more than the required 70%.
- The proportion of graduates of bachelor's programs who were employed during the first six months of graduation was 57%, which is higher than the target 30%.
- The proportion of students who completed the graduation requirements in the minimum period of time for graduation is 88%, which is higher than the target of 70%.

2. Weakness of Performance of Quality Indicators:

- 44% is the percentage of students entering the programs who successfully completed the first year, which is less than the target of 80%.
- 60% of the faculty members expressed their satisfaction with the professional and personal skills of the graduates of the program, which is much below the target of 75%.
- None of the graduates of the program were registered for those registering for higher studies or for those who seeking employment or studying during the first six months of graduation. While the target ratios are 10% each.

3. Optimization recommendations:

- Ratio of students to full-time or equivalent teaching staff, need to be compared with internal benchmarks and external benchmarks
- To increase the professional and personal skills of graduates of the program through more efficient and advanced teaching methods, in order to achieve 60% of the new target for the next academic year.
- To increase the proportion of students in completing the graduation requirements in the minimum period prescribed by the program, by encouraging academic professors and academic supervisors to the academic follow up closely to the students.
- Percentage of faculty members who hold a Ph.D. qualification approved by the total faculty of the department needs to be compared with internal benchmarks and external benchmarks.
- It is noted that the percentage of students who completed the graduation requirements in the minimum period of graduation for the program is much lower than the target, while 100% is the proportion of students in the program who successfully completed the first year, which is higher than the target 80%. Based on this observation and for the purpose of raising the proportion of students who complete the graduation requirements in the minimum duration of graduation, it is recommended to open the first year courses in the summer semester each year.
- The proportion of graduates of bachelor's programs who were employed during the first six months of graduation was higher than the target. They need to compare with internal indicators and external benchmarks.

The Fifth Standard, S05: Student Affairs and Support Services:

1. Strengths of Performance of Quality Indicators:

- The ratio of students to administrative staff was 14:1, which is much higher than the target ratio of 75:1.

• Many students expressed their satisfaction with the mechanism followed for the academic guidance of students in the department.

2. Weakness of Performance of Quality Indicators:

• The percentage of students participating in student activities is 6%, which is less than the target of 40%.

• Student assessment of vocational and academic guidance (average estimates of the extent of counseling and vocational counseling on an annual scale of five points for final year students) was 50%, which is much weak compared to the target value of 80%.

3. Optimization recommendations:

• Review the vocational guidance mechanism for students and improve the rules and regulations entrusted to them.

• To increase the efficiency of academic guidance for students by increasing the hours of academic guidance and the provision of advanced training courses for academic tutors, in order to reach 60% of the new target for the next academic year.

• The need to encourage students and encourage them to participate in various student activities such as sports, cultural ... etc.

The Sixth Standard, S06: Learning Resources:

1. Strengths of Performance of Quality Indicators:

• 53% of students assessed library services as appropriate (assessment is the average of the estimates on an annual scale of five points for final year students), close to the target of 75%.

• The library contains several copies of the references and the latest periodicals that meet the needs of the department.

• Although the number of titles of books in the library to the number of students is less than the target, but has been the supply of recent books for some of the program's courses.

• The ratio of the number of titles in the library to the number of students is 1:9, which is close to the target ratio 1:10.

3. Optimization recommendations:

• The administration of the department in coordination with the administration of the college and the university may work hard to increase the library services from the provision of missing books and increase the number of titles of books for all curriculum programs, accompanying references, necessary periodicals, and increase printing services to run the program.

• Conducting training courses that increase the skills of using the electronic library.

The Seventh Standard, S07: Facilities and Equipment:

1. Strengths of Performance of Quality Indicators:

• The number of computers available per student is 1: 6, which is excellent compared to the target rate 1:25.

• The overall rate of efficiency of facilities and equipment through the survey of views of faculty members was 81%, which is close to the target of 80%.

2. Weakness of Performance of Quality Indicators:

• 67% of students expressed their satisfaction with the preparation of classrooms and laboratories, while the target was 85%.

3. Optimization recommendations:

Work on increasing the laboratory equipment in the department and create the appropriate environment for conducting the required tests, through the recruitment of qualified technicians, maintenance of damaged devices, provision of accessories and missing devices, and provision of consumables necessary for the conduct of experiments, in order to achieve 85% of the new target for the next academic year.

The Eighth Standard, S08: Financial Planning and Management:

1. Strengths of Performance of Quality Indicators:

• Not exist.

2. Weakness of Performance of Quality Indicators:

• The percentage of faculty members satisfaction with the financial management system and the adequacy of the budget available to the program was 25% out of the 80% target, which is much below than the target.

3. Optimization recommendations:

• Appropriate percentage of the college budget for the operation of the department.

• The head/ coordinator of the department should monitor and submit a proposal for the budget required for the operation of the department tom the program board.

• Program management should prepare a detailed budget report required for the operation of the department to the quality unit at the college, in order to achieve 65%, the new target for the next academic year, from the satisfaction of faculty members on the financial management system.

The Ninth Standard, S09: Recruitment processes:

1. Strengths of Performance of Quality Indicators:

• Percentage of faculty members who left the program in the previous year for reasons other than retirement due to age, was 14% and within the target 10%.

2. Weakness of Performance of Quality Indicators:

• The percentage of faculty members who participated in professional development activities in the previous academic year was 1:0.38, which is below the target of 1:1.

3. Optimization recommendations:

- The university administration should work to attract and increase the number of academic posts available to the department, for professors with a PhD degree with high qualifications and experience. (At least for the time being, until the return of the applicants to qualify for the doctorate), by offering tempting working conditions of high salaries and excellent services.
- Maintain communication between faculty members after the end of working hours.
- Encouraging faculty members to participate in professional development activities in the coming academic year, God willing.
- Announce the training plan before the start of the academic year.
- Link and engage faculty members in the labor market.

The Tenth Standard, S10: Scientific Research:

1. Strengths of Performance of Quality Indicators:

- The number of scientific papers published in refereed journals for full-time faculty members or equivalent in the previous school year is 17, which is greater than the target number 14.
- Awareness and encouragement of the administration of the university, college, department, scientific research agency, faculty members to carry out scientific research and published in refereed scientific journals and active participation in scientific conferences global, regional and local.
- The Agency of Scientific Research at the University is pursuing competitive policies regarding the terms of financial support for the participation of faculty members in this field.
- A mechanism of financial support (local and external) that will lead to the development of scientific research at the university.
- Raise awareness of the culture of the importance of scientific research in the development of design methods and construction of facilities, industry, lifestyle and provide the country among the general community and decision makers in the Kingdom in particular.
- Increased willingness on the part of agencies related to scientific research (national, regional and global) to partner with the College.
- The department has an estimated number of faculty members with expertise and competencies from different countries, who have a long history in the field of scientific research, participation in scientific conferences and / or publication of scientific papers in refereed scientific journals.

2. Weakness of Performance of Quality Indicators:

- The number of citations and quotations of scientific papers published in refereed scientific journals for faculty members full-time or equivalent is 124.
- Percentage of participation in the publication of scientific papers in refereed scientific journals for each full-time faculty member or equivalent (at least one scientific paper) in the previous school year was 41.2%.
- No research or scientific reports have been approved at scientific conferences for any full-time faculty or equivalent in the previous school year.
- **3. Optimization recommendations:**

• The department has an estimated number of faculty members who have a long history in the field of scientific research, participation in scientific conferences and / or publication of scientific papers in refereed scientific journals. It is therefore recommended to encourage them and provide opportunities for them to develop their research capabilities and active participations in this field, by providing adequate moral and material support and facilitating related procedures by the University administration.
• Work to increase the culture of the importance of scientific research in the development of design methods and construction of facilities, industry, lifestyle and provide the country among the general community and decision makers in the Kingdom in particular.
• Meeting the increasing desire of agencies involved in scientific research (national, regional and global) to enter into a partnership with the College.

The Eleventh Standard, S11: Relations with the Community:

1. Strengths of Performance of Quality Indicators:
• Number of community education programs, training courses, engineering consultations and community service activities provided by the program was 4 verifying the target number.
• The University's increasing commitment to community service reflected the signing of several memorandums of understanding and cooperation with many governmental and private institutions. Which will be reflected positively on the program section.
• The presence of faculty members in the department are competitive with the labor market in various disciplines in the department. By finding technical scientific solutions and providing engineering consultancy.
• The department has laboratories equipped with advanced equipment with high efficiency and excellent work environment, enabling it to:
o Organizing training courses for community segments related to the nature of the program.
o Conduct and develop scientific research.
o Conduct engineering consultations in the labor market.

2. Weakness of Performance of Quality Indicators:
• There are no activities that support community service by full-time or equivalent faculty members in the past academic year, where the target number was 2.
3. Optimization recommendations:
• Strengthening the relationship and exchange of visits between the College, the Department and between government institutions and civil society organizations.
• Motivate employees of the faculty or department who participate in the service of the community, morally and financially.
• Allocation of a financial item by the University administration to develop the contribution and participation of the department in the service of the community.

- The administration of the university and the college should expedite coordination with the Department to accelerate the formation of houses of expertise in the department so that it can provide Electrical Engineering advisory services to the community.